

WHAT IS CLAIMED IS

1. “ELECTRONIC BALLAST FOR HO FLUORESCENT LAMPS” characterized in that it comprises a complete electronic ballast for control and activation of HO fluorescent lamps (A) capable of operating from one to six lamps and in any environment, and incorporating a proprietary structure and containing a properly customized and integrated electronic circuit (1), arranged in a protective casing for internal and external environments, and which operates in distribution power from ninety to two hundred and fifty Volts at the input of the same connection voltage point, and being formed by a power factor rectification and control block (2), a half-bridge block (3) and an ignition pulse block (4), the power factor rectification and control block (2) having the power to rectify and accommodate the electric energy to unit power factor and, at its input, an electronic circuit for the noise reduction of the electromagnetic interference (EMI); the half-bridge block (3) receiving the conditioned energy from the power factor rectification and control block (2) and making available high frequency energy (square wave) converted to alternating wave of activation and control of energy, protection against complete absence of load, delivery of power to the output blocks for a determined period of time and checking of the presence or not of load; the ignition pulse block (4) being provided with a power supply for the activation via peak-to-peak pulses and a high voltage shock protection system.